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EXAMINER

PATEL, ASHOKKUMAR B

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 11/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/834,160

Applicant(s)

BURFEIND ET AL.

Examiner

Ashok B. Patel

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 20-73 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20-73 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 5/6, 5/5/04.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. Application Number 09/834, 160 was filed on 04/12/2001. Claims 20-73 are subject to examination.

#### ***Specification***

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The following title is suggested: "Computerized System for Mobile Personal Weather Radar".

#### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 20-73 are rejected under 35 U.S.C. 102(e) as being anticipated by Obradovich et al. (hereinafter Obradovich)(US 6, 529, 824).

#### **Referring to claim 20,**

The reference teaches a computerized system (Fig.2) for producing a customized weather map from a source of weather map data for a geographic area (Fig.32 and Abstract), the computerized system comprising:

a wireless client device (Fig.4, col.8, lines 20-24) including

an input device receiving commands and data from a user (Fig.4, elements 26,27,28B);

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a graphical display having a center point substantially centered in the graphical display (Fig.4, element 28A, Fig.2, elements 28,30);

a processor (Fig.4, element "processor"); and  
client software executable by the processor to receive user input from the input device (Fig.32), generate a server request for weather map data corresponding to a geographic point of interest (Fig.32, elements "City, State, ZIP code, area code etc), and display a customized weather map (col.12, lines 26-30) for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display (Fig.32, element "center map by", col.12, lines 20-34); and

a server system coupled to receive weather map data from the source of weather map data, the server system comprising:

one or more computing platforms; and

server software executable by the server system to receive a server request for weather map data for the geographic point of interest, process weather map data from the source of weather map data for a geographic region surrounding the geographic point of interest to produce a customized weather map, and transmit the customized weather map to the wireless client device (col.2, lines 39-41, "The system accesses computer and storage systems with various applications in order to provide this information from a plurality of providers.", Abstract, "The data providers respond to requests by using searching and sorting schemes to interrogate data bases and then automatically transmitting data responsive to the requests to the requesting PCD.")

**Referring to claims 21, 35, 49 and 63,**

The reference teaches the computerized system, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone. (col.2, lines 60-64)

**Referring to claims 22, 36, 50 and 64,**

The reference teaches the computerized system, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access. (Fig.4, col.2, lines 60-64)

**Referring to claims 23, 37, 51 and 65,**

The reference teaches the computerized system, wherein the geographic point of interest is a current location of the wireless client device. (col.11, lines 38-52," Maps from an external source are downloaded via any of the communication links such as the FAX, BEEPER, PHONE or RADIO touch points provided in the sub-menu portion of the display 151. Depending on the users requirements, several maps could exist showing similar map areas with different layers for viewing. By way of example, airport maps with air space requirements, coastal waterway, maps, and interstate maps, and even hand drawn maps scanned into a computer system all show different resources within a given geographic area. These maps, when presented on the PCD, could over-saturate the display map detail for any given map area. Therefore, it is preferred that the actual map displayed be selectable. Maps are retrieved by pressing QUE IN 550, scrolling to highlight the desired map, and pressing ENTER 27g FIG. 2.").

**Referring to claims 24, 38, 52 and 66,**

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The reference teaches the computerized system, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from a global positioning system. (col.2, lines 60-63, Fig.11, "Note: PCD is also a server to another PCD.", Fig.7, col.10, lines 20-34).

**Referring to claims 25, 39, 53 and 67,**

The reference teaches the computerized system, wherein the server software is further executable by the server system to determine the current location of the wireless client device by determining a cell of the wireless client device. (col.2, lines 60-63)

**Referring to claims 26, 40, 54 and 68,**

The reference teaches the computerized system, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from user-entered data. (Fig. 32, col.12, lines 20-34)

**Referring to claims 27, 41, 55 and 69,**

The reference teaches the computerized system, wherein the source of weather map data is a ground-based source. Abstract, "The data providers respond to requests by using searching and sorting schemes to interrogate data bases and then automatically transmitting data responsive to the requests to the requesting PCD.")

**Referring to claim 28,**

The reference teaches the computerized method for producing a customized weather map from a source of weather map data for a geographic area (Abstract and Fig.32), the computerized method comprising:

sending a request to a server for weather map data corresponding to a geographic point of interest of a user (Fig.4, Fig.32, col.8, lines 20-24);

processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest (Fig.32, elements "City, State, ZIP code, area code etc) to produce a customized weather map;

transmitting the customized weather map to the wireless client device; and displaying the customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device(col.2, lines 39-41, "The system accesses computer and storage systems with various applications in order to provide this information from a plurality of providers.", Abstract, "The data providers respond to requests by using searching and sorting schemes to interrogate data bases and then automatically transmitting data responsive to the requests to the requesting PCD."), wherein the geographic point of interest is substantially aligned with a center point of the graphical display (Fig.32, element "center map by", col. 12, lines 20-34).

**Referring to claims 29, 43 and 57,**

The reference teaches the computerized method, further comprising determining the geographic point of interest of the user (Fig.32, elements "City, State, ZIP code, area code etc.)

**Referring to claims 30, 44 and 58,**

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The reference teaches the computerized method, wherein the determining of the geographic point of interest of the user comprises determining a current location of the wireless client device. (Fig.8, col.10, lines 36-40)

**Referring to claims 31, 45, 59 and 71,**

The reference teaches the computerized method, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device. (Fig 1, col.7, lines 20-30, col.12, lines 60-63)

**Referring to claims 32, 46, 60 and 72,**

The reference teaches the computerized method, wherein the determining of the current location of the wireless client device comprises receiving location information from a global positioning system. (col.2, lines 60-63, Fig.7, col.10, lines 20-34).

**Referring to claims 33, 47, 61 and 73,**

The reference teaches the computerized method, wherein the determining of the current location of the wireless client device comprises receiving location information from user-entered data. (Fig. 32, col.12, lines 20-34)

**Referring to claim 34,**

The reference teaches a computerized system for producing a customized weather map from a source of weather map data for a geographic area, the computerized system (Fig.32, Abstract) comprising:

a wireless client device including

an input device receiving commands and data from a user; (Fig.4, elements 26,27,28B)



a graphical display having a center point substantially centered in the graphical display(Fig.4, element 28A, Fig.2, elements 28,30);

a processor(Fig.4, element "processor"); and

client software executable by the processor to receive user input from the input device including a zoom-in or zoom-out command, generate a server request for weather map data corresponding to a geographic point of interest, and display a customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display; and

a server system coupled to receive weather map data from the source of weather map data, the server system comprising:

one or more computing platforms; and

server software executable by the server system to receive a server request for weather map data for the geographic point of interest, process weather map data from the source of weather map data for a geographic region surrounding the geographic point of interest(Fig.32, elements "City, State, ZIP code, area code etc),, produce a plurality of customized weather maps (col.12, lines 26-30), and transmit one or more of the customized weather maps in response to the server request, wherein one or more of the customized weather maps provide zoom-in or zoom-out views of alternate scale. (col.12, lines 20-34, "FIG. 32 illustrates a Weather Map Request page. The Weather Map Request page is accessed by pressing the Weather button 27n (shown in FIG. 2) on the PCD. The Weather Map Request page allows the PCD user to

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specify the map location and scale (zoom-in or zoom-out views of alternate scale), the map type, whether the selected map should be automatically updated at specified intervals, and whether a set of maps should be displayed in a sequential fashion. The PCD displays a number of different types of weather maps, including satellite images, radar maps, temperature maps, wind chill maps, and any other type of weather map available. Some weather information is more perfectly provided by showing a sequence of displays indicating the change in weather over time. Therefore, the PCD allows the operator to sequentially display a set of maps, thus providing an animated map display.”)

**Referring to claim 42,**

The reference teaches a computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method (Fig.32 and Abstract) comprising:

    sending a request to a server for weather map data corresponding to a geographic point of interest of a user(Fig.4, Fig.32, col.8, lines 20-24);;

    processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest; producing a plurality of customized weather maps(Fig.32, elements “City, State, ZIP code, area code etc);

    transmitting one or more of the customized weather maps to the wireless client device, wherein one or more of customized weather maps provide zoom-in or zoom-out views of alternate scale;

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processing a zoom-in or zoom-out command on the wireless client device; and displaying one of the customized weather maps for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device, wherein the geographic point of interest is substantially aligned with a center point of the graphical display. (col.12, lines 20-34, "FIG. 32 illustrates a Weather Map Request page. The Weather Map Request page is accessed by pressing the Weather button 27n (shown in FIG. 2) on the PCD. The Weather Map Request page allows the PCD user to specify the map location and scale (zoom-in or zoom-out views of alternate scale), the map type, whether the selected map should be automatically updated at specified intervals, and whether a set of maps should be displayed in a sequential fashion. The PCD displays a number of different types of weather maps, including satellite images, radar maps, temperature maps, wind chill maps, and any other type of weather map available. Some weather information is more perfectly provided by showing a sequence of displays indicating the change in weather over time. Therefore, the PCD allows the operator to sequentially display a set of maps, thus providing an animated map display.")

**Referring to claim 48,**

The reference teaches a computerized system for producing a customized weather map from a source of weather map data for a geographic area, the computerized system (Fig.32, Abstract) comprising:

a wireless client device including

an input device receiving commands and data from a user; (Fig.4, elements 26,27,28B)

a graphical display having a center point substantially centered in the graphical display(Fig.4, element 28A, Fig.2, elements 28,30);

a processor(Fig.4, element "processor"); and

client software executable by the processor to receive user input from the input device (Fig.32), generate a server request for weather map data corresponding to a geographic point of interest (Fig.32, elements city, state, ZIP code, area code etc.), display a first customized weather map for a geographic region surrounding the geographic point of interest, and display a second customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display (Fig. 32, element "center map by", col. 12, lines 20-34. "Some weather information is more perfectly provided by showing a sequence of displays indicating the change in weather over time."), and wherein the first and second customized weather maps are displayed on a substantially similar scale (col. 12, lines 20-34.; "The Weather Map Request page allows the PCD user to specify the map location and scale, the map type, whether the selected map should be automatically updated at specified intervals, and whether a set of maps should be displayed in a sequential fashion.")

a server system coupled to receive weather map data from the source of weather map data, the server system comprising:

one or more computing platforms; and

server software executable by the server system to receive a server request for weather map data for the ,geographic point of interest, process weather map data from the Source of weather map data for a geographic region surrounding the geographic point of interest, produce a first customized weather map at a first point in time, produce a second customized weather map at a second point in time, and transmit the first and second customized weather maps to the wireless client device to permit the user to view progression of weather events over a period of time. (col.2, lines 39-41, "The system accesses computer and storage systems with various applications in order to provide this information from a plurality of providers.", Abstract, "The data providers respond to requests by using searching and sorting schemes to interrogate data bases and then automatically transmitting data responsive to the requests to the requesting PCD.", col.12, lines 20-34, "FIG. 32 illustrates a Weather Map Request page. The Weather Map Request page is accessed by pressing the Weather button 27n (shown in FIG. 2) on the PCD. The Weather Map Request page allows the PCD user to specify the map location and scale, the map type, whether the selected map should be automatically updated at specified intervals, and whether a set of maps should be displayed in a sequential fashion. The PCD displays a number of different types of weather maps, including satellite images, radar maps, temperature maps, wind chill maps, and any other type of weather map available. Some weather information is more perfectly provided by showing a sequence of displays indicating the change in weather

over time. Therefore, the PCD allows the operator to sequentially display a set of maps, thus providing an animated map display.”)

**Referring to claim 56,**

The reference teaches a computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method (Fig.4) comprising:

- sending a request to a server for weather map data corresponding to a geographic point of interest of a user(Fig.4, Fig.32, col.8, lines 20-24);

- processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest;

- producing a first customized weather map at a first point in time;

- producing a second customized weather map at a second point in time;

- transmitting the first and second customized weather maps to the wireless client device;

- displaying the first customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device; and

- displaying the second customized weather map for the geographic region surrounding the geographic point of interest on the graphical display of the Wireless client device,

- wherein the geographic point of interest is substantially aligned with a center point of the graphical display, and

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wherein the first and second customized weather maps are displayed on a substantially similar scale. (col.2, lines 39-41, "The system accesses computer and storage systems with various applications in order to provide this information from a plurality of providers.", Abstract, "The data providers respond to requests by using searching and sorting schemes to interrogate data bases and then automatically transmitting data responsive to the requests to the requesting PCD.", col.12, lines 20-34, "FIG. 32 illustrates a Weather Map Request page. The Weather Map Request page is accessed by pressing the Weather button 27n (shown in FIG. 2) on the PCD. The Weather Map Request page allows the PCD user to specify the map location and scale (zoom-in or zoom-out views of alternate scale), the map type, whether the selected map should be automatically updated at specified intervals, and whether a set of maps should be displayed in a sequential fashion. The PCD displays a number of different types of weather maps, including satellite images, radar maps, temperature maps, wind chill maps, and any other type of weather map available. Some weather information is more perfectly provided by showing a sequence of displays indicating the change in weather over time. Therefore, the PCD allows the operator to sequentially display a set of maps, thus providing an animated map display.")

**Referring to claim 62,**

The reference teaches a computerized system for producing a customized weather map from a source of weather map data for a geographic area, the computerized system (Fig.32 and Abstract) comprising:

a wireless client device (Fig.4) including

an input device receiving commands and data from a user (Fig.4, elements 26,27,28B);

a graphical display having a center point substantially centered in the graphical display (Fig.32, element "center map by", Fig.4, element 28A, Fig.2, element 28,30);

a processor (Fig.4, element "processor"); and

client software executable by the processor to receive user input from the input device (Fig.32), generate a server request for weather map data corresponding to a geographic point of interest (Fig.32, elements city, state, ZIP code, area code etc.), display a customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display (Fig.32, element "center map by"), and display customized weather data associated with a weather condition of interest (col.12, lines 20-34); and

a server system coupled to receive weather map data from the source of weather map data (Abstract), the server system comprising:

one or more computing platforms; and

server software executable by the server system (Fig.11,

"Note: PCD is also a server to another PCD.",) to receive a server request for weather map data for the geographic point of interest, process weather map data from the



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source of weather map data for a geographic region surrounding the geographic point of interest to produce a customized weather map, transmit the customized weather map to the wireless client device (Abstract and col.2, lines 39-41), estimate a current location of the wireless client device, estimate a speed and direction of movement of the wireless client device, estimate a time of arrival of the wireless client device to a weather condition of interest to the user, and transmit to the wireless client device customized weather data associated with the weather condition of interest. (Fig.11, "Note: PCD is also a server to another PCD.", col.8, lines 20-30, "The microprocessor may also access or control communications with telephone networks, either hardwired or cellular, radio transmissions, infra-red transmissions, or communications with other computer devices. All known verbal commands from GPS systems can be implemented and attachment or inclusion of voice activation for map instructions relative to location (estimate a current location of the wireless client device), GPS and street designations, including heading descriptions, distance, and arrival time estimates can be included." (estimate a speed and direction of movement of the wireless client device, estimate a time of arrival of the wireless client device)).

**Referring to claim 70,**

The reference teaches a computerized method (Fig.2) for producing a customized weather map from a source of weather map data for a geographic area (Fig.32 and Abstract) , the computerized method comprising:

    sending a request to a server for weather map data corresponding to a geographic point of interest of a user (Fig.4, Fig.32, col.8, lines 20-24);

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processing weather map data on the server from the source of weather map data for a geographic region surrounding the geographic point of interest to produce a customized weather map (Fig.32, elements "city, state, ZIP code, area code etc.");

transmitting the customized weather map to the wireless client device; displaying the customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device (col.2, lines 39-41), the geographic point of interest being substantially aligned with a center point of the graphical display (Fig.32, element "center map by");

estimating a current location of the wireless client device, estimating a speed and direction of movement of the wireless client device; estimating a time of arrival of the client device to a weather condition of interest to the user;

transmitting customized weather data associated with the weather condition of interest to the wireless client device; and displaying the customized weather data associated with the weather condition of interest on the graphical display of the wireless client device. (Fig.11, "Note: PCD is also a server to another PCD.", col.8, lines 20-30, "The microprocessor may also access or control communications with telephone networks, either hardwired or cellular, radio transmissions, infra-red transmissions, or communications with other computer devices. All known verbal commands from GPS systems can be implemented and attachment or inclusion of voice activation for map instructions relative to location (estimate a current location of the wireless client device), GPS and street designations, including heading descriptions, distance, and arrival time estimates can be included." (estimating a current location of the wireless

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client device, estimating a speed and direction of movement of the wireless client device; estimating a time of arrival of the client device)).

### ***Conclusion***

***Examiner's note:*** Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok B. Patel whose telephone number is (571) 272-3972. The examiner can normally be reached on 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abp  
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